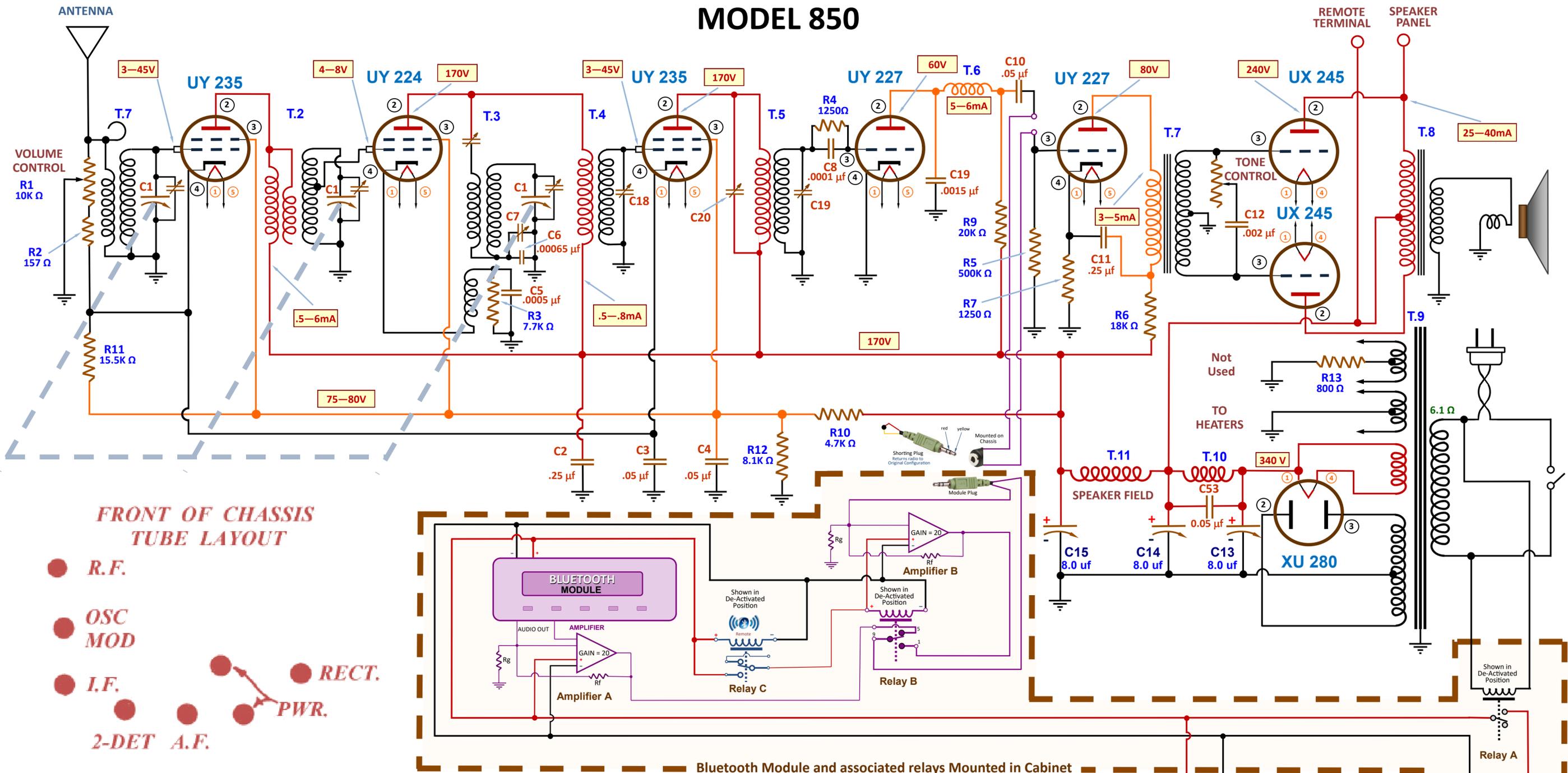


# 1931 DeForest RADIO

## MODEL 850



**Modifications:** The sole modification to the radio is the addition of a stereo audio jack. This modification can be easily removed or the module can be removed and the radio returned to normal operation by inserting a stereo audio plug, modified as shown above, into the audio jack.

**Module Operation:** When the radio is turned on **Relay A** is activated. This action turns on the rechargeable battery which powers the Bluetooth Module. The audio output from the Bluetooth Module is amplified by **Amplifier A** and passes through **Relay B**. From here the signal from the Bluetooth Module goes directly to the grid of the first stage audio amplifier, **UY227**. The radio plays the audio signal from the Bluetooth Module which can be programming stored on a USB Key or Music from a Smartphone or a local FM Broadcast Station.

When Button A on the **Key FOB** is pressed **Relay C** is activated. This in turn activates **Relay B** which changes the input to the radio's first stage audio amplifier from the Bluetooth Module to the AM Radio. The signal from the radio's Intermediate Frequency (IF) Stage is amplified by Amplifier B and sent back to the radio to the grid of the first stage audio amplifier, **UY227**.

When Button B on the **Key FOB** is pressed a LED Light mounted in the cabinet under the Bluetooth Module shelf is turned on. This is an added feature that illuminates the Radio Chassis in the Cabinet and presents a glow from the back of the radio.



Key FOB

TO DIAL LIGHT



Rechargeable Battery